

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: <b>FEBRUARY 2004</b>				
APPROPRIATION/BUDGET ACTIVITY <b>OTHER PROCUREMENT, NAVY/BA-4</b>							P-1 ITEM NOMENCLATURE <b>SUBMARINE TRAINING DEVICE MODS/BLI: 5661/SBHD: 84TD</b>					
Program Element for Code B Items:							OTHER RELATED PROGRAM ELEMENTS					
	Prior Years	ID Code	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total
QUANTITY												
EQUIPMENT COST (In Millions)				\$18.7	\$27.4	\$39.4	\$32.8	\$21.9	\$20.5	\$20.7		\$181.4
SPARES COST (In Millions)												
PROGRAM DESCRIPTION/JUSTIFICATION:  <p><b><u>(L/I 5661)</u></b> This line provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to enhance trainer systems capabilities.</p> <p><b><u>(TD002) SUBMARINE TRAINING DEVICE MODS</u></b> Provides funding for modifications which are upgrades to submarine training systems which are centrally managed systems. These improvements/upgrades are required to keep training systems compatible with equivalent changes made to fleet operational equipment and to change trainer capabilities to meet emergent training requirements.</p> <p><b><u>(TD003) SUBMARINE MULTI-MISSION TEAM TRAINER/COMBAT CONTROL SYSTEM (SMMTT/CC)</u></b> To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shorebased trainers capable of training submarine combat system team personnel in all aspects of submarine search, detect, classify, attack and surveillance operations in a controlled, simulated environment.</p> <p>The Combat Control System (CCS) MK 1 and CCS MK 2 are installed, on SSN and SSBN/SSGN Class submarines.</p> <p>The CCS MK2 tactical program was upgraded to include CCS MK 2 Block 1 C and has been upgraded to ECP4. This includes Combat Display Console (CDC) color/landscape, CPU parallel processor removal, AN/UYK-44 removal, Mk 23 Graphic Plotter OER, additional ADCAP upgrades, and FTAG (Fleet Tactical Advisory Group) improvements. CCS MK 2 Block 1 also introduces the Advanced Tomahawk Weapon Control System (ATWCS), and Tactical Tomahawk Weapons Control System (TTWCS), NTCS-A and Tomahawk Block Improvement Program (TBIP) which consists of Tomahawk Weapon improvements.</p>												

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APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
<b>OTHER PROCUREMENT, NAVY/BA-4</b>	<b>SUBMARINE TRAINING DEVICE MODS/BLI: 5661/SBHD: 84TD</b>	
Program Element for Code B Items:	OTHER RELATED PROGRAM ELEMENTS	
<p><b><u>TD003 Continued</u></b></p> <p>The Submarine Multi Mission Team Trainer (SMMTT) Phases 1, 2 program replaced the proprietary mainframe computer system by re-hosting functions on industry standard Local Area Network (LAN) workstations. The mainframes could no longer be upgraded due to service life. The SMMTT modification applies to both the CCS trainers and the acoustic trainers. SMMTT Phase 1 provided partial offload of the trainer-unique-equipment (TUE) software and provides additional processing power through the use of independent workstations. SMMTT Phase 2 completes the trainer-unique software offload and enables further enhancements. Modifies functionality of the Submarine Tactical Visual Training System (STVTS) to provide common imaging training for CCS trainers.</p> <p>FY03 Procured 3 items: Upgrades to support the Rapid COTS Insertion (RCI) system to the SMMTT, one SMMTT upgrade kit to support CCS MK2 training; STVTS upgrades at the EPM.</p> <p><b><u>(TD005) SUBMARINE MULTI-MISSION TEAM TRAINER /ACOUSTIC (SMMTT/A)</u></b></p> <p>The AN/BQQ-5 Series Sonar Systems are installed aboard SSN/SSBN Class submarines. The Submarine Acoustic Trainers, simulate the digital data processing and graphic displays of the associated tactical system. The Tactical Acoustic Rapid COTS (commercial-off-the-shelf) Insertion (ARCI) Phased upgrades impact the AN/BQQ5E(V) systems. The Advanced Processing Builds (APB) impact the acoustic trainers. The SMMTT upgrades will be applied to selected acoustic, team trainers.</p> <p>The SMMTT acoustic modifications support training for enlisted and officer pipelines. The SMMTT provides individual operators and combat teams the opportunity to train ashore, prior to, and between deployments. The shore based training provides a means of developing and maintaining team proficiency in stand alone or in combined team mode when tied to Combat System Team Trainers.</p> <p>FY03 Procured 2 items: One SMMTT trainer kit to support ARCI-III; modifies the SMMTT Acoustic EPM to support the most recent APB in the SMMTT architecture.</p>		

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<b>OTHER PROCUREMENT, NAVY/BA-4</b>	<b>SUBMARINE TRAINING DEVICE MODS/BLI: 5661/SBHD: 84TD</b>	
Program Element for Code B Items:	OTHER RELATED PROGRAM ELEMENTS	
<p><b><u>(TD006) SUBMARINE COMMON BASIC OPERATOR TRAINER (CBOT)/COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET)</u></b></p> <p>The purpose of these devices is to provide pipeline training to submarine force personnel who require basic and advanced operator training to establish their required level of operator competence. These devices train individual operators on the CCS MK 1/ MK 2, and AN/BSY-1 by supplementing classroom instructions with dynamic training exercises. Through the use of these training devices, the student obtains direct, interactive experience in Command, Weapon, Target Motion Analysis (TMA), and Over-The-Horizon (OTH) operations in order to develop the skills required for effective command and control operations.</p> <p>These devices provide an environment substantially equivalent to that found onboard ship, thus enabling students to develop and maintain the combat control expertise necessary to support Fleet operations. FY-90 established the requirement to provide advanced operator training for CCS MK 2 to support SSN 688, SSN 751 (AN/BSY-1), and TRIDENT SSBN (OHIO) Class submarines. The Fire Control Submarine and IUSS Training Requirements Review (SITTR) of 6/92 established the requirements for Common Basic Operator Trainers (CBOT) to support revised A-School training pipelines.</p> <p>The CBOT will evolve into the Common Operational Analysis and Employment Trainer (COAET) by combining and leveraging from two existing systems, the CBOT and the Acoustic Analysis Trainer (AAT) in FY04. The COAET will be an interactive, fundamental skills-level trainer on which to offload operator and employment skills from the SMMTT. It will allow for low-cost introduction of new fleet requirements and upgrades.</p> <p>FY03 procured 4 items: Hardware modifications for the enhanced CBOT EPM and three Fleet sites requested by the Fleet including SFMPL integration and SubSkillsNet integration.</p> <p>FY04 procures 1 item: Hardware for the COAET EPM requested by the Fleet including Acoustic Analysis Trainer (AAT) integration, the enhanced CBOT, and the Sonar Tactical Decision Aid (STDA).</p> <p>FY05 procures 3 items: COAET installation at three training sites to support operational and employment skills training.</p>		

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APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
<b>OTHER PROCUREMENT, NAVY/BA-4</b>	<b>SUBMARINE TRAINING DEVICE MODS/BLI: 5661/SBHD: 84TD</b>	
Program Element for Code B Items:	OTHER RELATED PROGRAM ELEMENTS	
<p><b><u>(TD009) SMMTT Phase 3</u></b></p> <p>The SMMTTs are highly sophisticated shorebased combat system attack center trainers, comprised of combat and acoustic systems capable of training submarine combat system team personnel in all aspects of submarine search, detect, classify, attack, and surveillance operations in a controlled, simulated environment. SMMTT Phase 3 will replace all MIL Standard hardware in previous systems with commercial emulation hardware, enabling platform independence and wide area network capability. The use of open architecture trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system. Plans are established to likewise upgrade submarine tactical systems to an open architecture, and the trainers will be compatible with the tactical interfaces. Modifies functionality of the Periscope Simulator (PSIM) to provide common imaging training for CCS trainers.</p> <p>FY04 procures 1 item: An engineering production model will be assembled. Its architecture will support direct usage of tactical software. Internet server architecture will be utilized for all stimulation of the tactical software. Mock-up hardware for emulation of the type 15 and 18 periscopes will be procured and interfaced for fully integrated imaging training.</p> <p>FY05 procures 5 items: Four SMMTT 3 systems will be assembled and installed at Fleet training sites. Modifications will be made to EPM to support integration and advancements in tactical software.</p>		

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APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
<b>OTHER PROCUREMENT, NAVY/BA-4</b>	<b>SUBMARINE TRAINING DEVICE MODS/BLI: 5661/SBHD: 84TD</b>	
Program Element for Code B Items:	OTHER RELATED PROGRAM ELEMENTS	
<p><b><u>(TD014) SSN/SSBN/SSGN CLASS TRAINER DEVICES</u></b>  Funding for the procurement of Virginia, SSBN, SSGN Class trainers. FY04 procures 2 items: SSGN Ship Control Operation Trainer (SCOT) and Virginia Class Torpedo Room Trainer.</p> <p><b><u>(TD015) SUBMARINE NON-TACTICAL APPLICATIONS DELIVERY INTERFACE SYSTEM (SNADIS) NETWORK</u></b>  This system has been identified by the Submarine Type Commanders and approved by CNO to enable access to all data required to support Fleet Operational, Training, and Administrative requirements through a single, common, force-wide information delivery application interface. This program is for technical data, logistics, and training delivery management. The Program must operate within the IT21/NMCI network infrastructure; and should leverage both the VIRGINIA Class "paperless ship" initiatives and the Navy's non-tactical application development managed by SPAWAR, as well as recognize shipboard requirements for complete non-tactical applications integration. Additionally, broader digital data delivery mechanisms being evaluated by the Navy, such as Technical Data Knowledge Management - Integrated Data Environment (TDKM-IDE), are being employed to construct a comprehensive end-to-end program for identifying and sustaining Fleet information requirements.</p> <p>FY04 provides initial procurement of engineering and hardware to deliver, set up, and populate the systems.</p> <p>FY05 procures upgrades for systems throughout the submarine fleet.</p> <p><b><u>(TD016) ELECTRONIC PERFORMANCE SUPPORT SYSTEM (ePSS)</u></b>  This project will procure a series of innovative electronic Performance Support Systems (ePSS) for use in the Navy submarine Fleet. These ePSS tools will provide a means of facilitating On-the-Job Training without the need to temporarily remove the personnel from the ship for formal schoolhouse training. Most of this augmented capability will be assembled and adapted using existing COTS software products.</p> <p><b><u>(TD6IN) INSTALLATION OF EQUIPMENT</u></b>  Funding is for the installation of trainers, installation support for trainers, and installations in other shore facilities.</p> <p>Estimates include competitive sourcing savings associated with consolidation of production support contracting efforts.</p>		

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						FEBRUARY 2004				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 4: ORDNANCE SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD SUBMARINE TRAINING DEVICE MODIFICATIONS/BLI: 5661/SBHD: 84TD									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
	SUBMARINE WARFARE (N77)															
TD002	SUBMARINE TRAINING DEVICE MODS Modifications	A						1,853			1,853		1,410		2,122	2,122
TD003	SMMTT/CC							5,906								
	Modifications						1	350	350							
	Modifications						1	3,577	3,577							
	Modifications						1	455	455							
	Tech Support							1,524								
TD005	SMMTT/A	A						6,371								
	Modifications						1	2,900	2,900							
	Modifications						1	1,936	1,936							
	Tech Support								1,535							
TD006	SUB CBOT/COAET	A						1,930			2,128		1,974			
	Modifications						4	461	1,844	1	2,020	2,020	3	621	1,863	
	Tech Support								86			108			111	
Continued on Next Page																

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: FEBRUARY 2004				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 4: ORDNANCE SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD SUBMARINE TRAINING DEVICE MODIFICATIONS/BLI: 56610/SUBH: 84TD									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2002			FY 2003			FY 2004			FY 2005			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
TD009	SUBMARINE WARFARE (N77) Continued SMMTT Ph3 Modifications Modifications Tech Support										10,052	6,350	6,350	4	5,975	23,900
														1	3,465	3,465
																2,676
TD014	VA/SSGN/SSBN TRAINERS Modifications Modifications										5,896	2,986	2,986			
											1	2,910	2,910			
TD015	SNADIS Modifications										4,842		4,842		4,650	4,650
TD016	ePSS Modifications							2,000	2,000		2,500		2,500		0	
	TOTAL BLI 566100							18,060			26,828				34,691	
TD6IN	INSTALLATION (Non-FMP) TOTAL BLI 566106							627	627		616		616		618	618
Continued from previous Page									18,687				27,444			39,405

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<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>					Weapon System			A. DATE <b>FEBRUARY 2004</b>		
<b>B. APPROPRIATION/BUDGET ACTIVITY</b> <b>Other Procurement, Navy</b> <b>BA 4: ORDNANCE SUPPORT EQUIPMENT</b>					<b>C. P-1 ITEM NOMENCLATURE</b> <b>SUBMARINE TRAINING DEVICE MODIFICATIONS</b>				<b>SUBHEAD</b> <b>84TD</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<b>FISCAL YEAR (03)</b>										
TD003 SMMTT/CC	1	350	NAVSEA	N/A	WX	NUWCDIV NEWPORT, RI	Jan-03	Jul-03	YES	
Mk2 B1C #7	1	3,577	NAVSEA	N/A	WX	NUWCDIV NEWPORT, RI	Jan-03	Sep-03	YES	
RCI	1	455	NAVSEA	N/A	WX	NAWC TSD	Nov-02	Sep-03	YES	
CCS STVTS EPM										
TD005 SMMTT/A	1	2,900	NAVSEA	Mar-01	SS/IF OPT	LM MANASSAS, VA	Nov-02	Jul-03	YES	
ARCI-III Kits	1	1,936	NAVSEA	N/A	WX	NSWC/CD	May-03	Sep 03	YES	
SMMTT APB										
TD006 SUB CBOT	4	461	NAVSEA	N/A	WX	NSWC/CD	Dec 02	Sep 03	YES	
Enhanced CBOT										
<b>D. REMARKS</b>										



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<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>					Weapon System		A. DATE <b>FEBRUARY 2004</b>			
B. APPROPRIATION/BUDGET ACTIVITY <b>Other Procurement, Navy BA 4: ORDNANCE SUPPORT EQUIPMENT</b>					C. P-1 ITEM NOMENCLATURE <b>SUBMARINE TRAINING DEVICE MODIFICATIONS</b>				SUBHEAD <b>84TD</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<b>FISCAL YEAR (04)</b> TD006 CBOT/COAET COAET EPM TB 16/23	1	2,020	NAVSEA	N/A	WX	NSWC/CD	Nov-03	Dec-04	YES	
TD009 SMMTT Ph 3 EPM	1	6,350	NAVSEA	N/A	WX	NSWC/CD	Nov-03	Dec-04	YES	
TD014 VA SSN/SSBN/SSGN SSGN SCOT	1	2,986	NAVSEA	N/A	WX	NSWC/CD	Nov-03	Aug-04	YES	
Torpedo Room Trainer	1	2,910	NAVSEA	N/A	WX	NUWC/KPT	Nov-03	Aug-04	YES	
D. REMARKS										

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<b>BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)</b>					Weapon System		A. DATE <b>FEBRUARY 2004</b>			
B. APPROPRIATION/BUDGET ACTIVITY <b>Other Procurement, Navy BA 4: ORDNANCE SUPPORT EQUIPMENT</b>					C. P-1 ITEM NOMENCLATURE <b>SUBMARINE TRAINING DEVICE MODIFICATIONS</b>				SUBHEAD <b>84TD</b>	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
<b>FISCAL YEAR (05)</b> TD006 CBOT/COAET COAET Kits	3	621	NAVSEA	N/A	WX	NSWC/CD	Jan-05	Sep-05	YES	
TD009 SMMTT Ph 3 Kits	4	5,975	NAVSEA	N/A	WX	NSWC/CD	Jan-05	Feb-05	YES	
EPM Advance	1	3,465	NAVSEA	N/A	WX	NSWC/CD	Jan-05	Dec-05	YES	
D. REMARKS										

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TIME PHASED REQUIREMENT SCHEDULE <b>P-23</b>					A. APPROPRIATION/BUDGET ACTIVITY <b>Other Procurement, Navy/BA-4</b>										B. P-1 ITEM NOMENCLATURE <b>Submarine Training Devices Modifications</b>										C. DATE <b>FEBRUARY 2004</b>									
	FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				LATER					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
ACTIVE FORCE INVENTORY (P)																																		
SCHOOLS/OTHER TRAINING (P)		9				4				8				9				8				8				8								
OTHER (P)																																		
TOTAL PHASED REQ (C)	0	9	9	9	9	13	13	13	13	21	21	21	21	30	30	30	30	38	38	38	38	46	46	46	46	54	54	54	54					
ASSETS ON HAND (BP)																																		
DELIVERY FY 98 & PRIOR (P)																																		
FY 02 & PRIOR (P)																																		
FY 03 (P)	0	9	0	0																														
FY 04 (P)					0	4	0	0																										
FY 05 (P)									0	8	0	0																						
FY 06 (P)													0	9	0	0																		
FY 07 (P)																	0	8	0	0														
FY 08 (P)																					0	8	0	0										
FY 09 (P)																									0	8	0	0						
To Complete (P)																																		
TOTAL ASSETS (C)	0	9	9	9	9	13	13	13	13	21	21	21	21	30	30	30	30	38	38	38	38	46	46	46	46	54	54	54	54					
QTY OVER (+) OR SHORT (-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
D. REMARKS					E. RQMT (QTY)							TOTAL RQMT		INSTALLED		ON HAND AS OF 6/1/99		FY 98 & PRIOR UNDELIVERED		UNFUNDED														
					1. APPN -																													
					2. APPN -																													
					3. PROCUREMENT LEADTIME							ADMIN		INITIAL ORDER		REORDER																		

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TIME PHASED REQUIREMENTS SCHEDULE (SUPPLEMENT SHEET-INSTALLATION DATA) P-23A								P-1 ITEM NOMENCLATURE/PROJECT UNIT  Submarine Training Devices Modifications/SUBH: 84TD								DATE <b>FEBRUARY 2004</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Other Procurement, Navy / BA-4</b>								Installing Agent <b>N/A</b>											
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR					
E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY				
FY 2002								FY 2003											
											9								
FY 2004								FY 2005											
					4						8								

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EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE:																	
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System										FEBRUARY 2004 IOC Date							
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
TD002 SUBMARINE TRAINING DEVICE MODS																											
VAR	VAR	VAR	VAR	N/A					VAR	1,853	VAR	1,410	VAR	2,122													

EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: <b>FEBRUARY 2004</b>																	
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System								IOC Date									
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
<b>TD003 SUB MULTI-MISSION TEAM TRAINERS/CCS</b>																											
B1C #7 RCI STVTS EPM	STF Nor NUWC Npt NAWC TSD	Jul-03 Sep-03 Sep-03	Sep-03 n/a n/a	1,485 n/a n/a					1	350																	
									1	3,577																	
									1	455																	
Total					0	0	0	0	3	4,382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4,382	
Description (TD003) SUB MULTI-MISSION TEAM TRAINER (CCS) To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shorebased training facilities capable of training submarine combat system team personnel in all aspects of submarine approach, attack and surveillance operations in a controlled, simulated environment.																											

EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: <b>FEBRUARY 2004</b>																	
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System										IOC Date							
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
<b>TD005 SMMTT / A</b>																											
ARCI-III #7 APB	STF Norva EPM NSWC	Jul-03 Sep-03	Sep-03 n/a	1,485 n/a					1 1	2,900 1,936																	
Total					0	0	0	0	2	4,836	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4,836	
Description (TD005) SUB MULTI-MISSION TEAM TRAINER/A The AN/BQQ-5 Series Sonar Systems are installed aboard SSN Class submarines. The Submarine Multi Mission Team Trainer Acoustic simulates the digital data processing and graphic displays of the associated tactical system.																											

EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: <b>FEBRUARY 2004</b>																	
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System								IOC Date									
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
<b>TD006 SUB CBOT/COAET</b>																											
Enh CBOT	NSWC/CD	Sep-03	n/a	n/a					1	461																	
Enh CBOT	NSS GTN	Oct-03	Oct-03	1,612					3	1,383																	
COAET EPM	NSWC/CD	Dec-04	n/a	n/a							1	2,020															
COAET	NSS GTN	Sep-05	Oct-05	3,262									1	621													
COAET	NSS PH	Oct-05	Nov-05	2,016									1	621													
COAET	NSS KB	Nov-05	Dec-05	312									1	621													
Total					0	0	0	0	4	1,844	1	2,020	3	1,863	0	0	0	0	0	0	0	0	0	0	8	5,727	
Description (TD006) SUBMARINE COMMON BASIC OPERATOR TRAINER (CBOT) / COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET) The purpose of these devices is to provide pipeline training to submarine force personnel who require basic and advanced operator training.																											



EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: <div>FEBRUARY 2004</div>																
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System								IOC Date								
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
TD009 SMMTT Phase 3																										
EPM SMMTT3	NSWC/CD	Dec-04	n/a	n/a							1	6,350														
SMMTT3	NSS GTN	Feb-05	Apr-05	3,231									1	5,975												
SMMTT3	NSTCP PH	May-05	Jul-05	2,504									1	5,975												
SMMTT3	STF NOR	Aug-05	Oct-05	1,132									1	5,975												
SMMTT3	TTF KB	Dec-05	Jan-06	3,305									1	5,975												
EPM Advanced	NSWC/CD	Dec-05	n/a	n/a									1	3,465												

EXHIBIT P-43 SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: <b>FEBRUARY 2004</b>																	
Appropriation/P-1 Line Item Other Procurement, Navy / LI: 5661										Weapon System										IOC Date							
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years				FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		To Complete		Total		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty
<b>TD014 SSN/SSBN/SSGN Class Trainer Devices</b>																											
SSGN SCOT Torp Room	NSS Grtn	Aug-04	Jun-05	tbd							1	2,986															
	NSS Grtn	Aug-04	Jan-05	tbd							1	2,910															
Total					0	0	0	0	0	0	2	5,896	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5,896
Description TD014 NSSN Procures modifications for the NSSN (Virginia Class) unique devices.																											